

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20030030609" or "20030090448"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:09
S2	10014	345/87-92,95.ccls.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:36
S3	2714	345/87-92,95.ccls. and (common near2 (pixel\$4 or value\$1 or voltage\$1))	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:37
S4	651	345/87-92,95.ccls. and (common near2 (pixel\$4 or value\$1 or voltage\$1)) and averag\$4	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:37
S5	489	345/87-92,95.ccls. and (common near2 (pixel\$4 or value\$1 or voltage\$1)) and averag\$4 and @ay<="2005"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:37
S6	428	345/87-92,95.ccls. and (common near2 (pixel\$4 or value\$1 or voltage\$1)) and averag\$4 and @ay<="2004"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:37
S7	97	345/87-92,95.ccls. and (common near2 (pixel\$4 or value\$1 or voltage\$1)) and averag\$4 and @ay<="2004" and ((adjacent or neighbor\$4) near3 (pixel))	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:38
S8	1	"6476785".pn.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/11 18:57
S9	14	("4870396"   "5448258"   "5504601"   "5642133"   "5666130"   "5686932"   "5701166"   "5767926"   "5903250"   "6091393"   "6295054").PN. OR ("6476785").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/11 18:58

S10	224	"345".clas. and (reduc\$4 with (capacit\$5 or transist \$5 or size\$1) with pixel\$1) and (liquid adj crystal) and (project\$4 or (color adj wheel\$1)) and averag\$4	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 12:31
S11	27	("5012228"   "5061920"   "5170158"   "5296870"). PN. OR ("5448258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 12:31
S12	66	("4210934"   "4257068"   "4571584"   "4574282"   "4646074"   "4742346"   "4748510"   "4870399"). PN. OR ("5170158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 12:36
S13	16	("20010052597"   "20020018056"   "20020044109"   "20020047822"   "20020075211"   "20020113872"   "20020140364"   "20040113872"   "5448258"   "5923311"   "5977940"   "6075505"   "6738031"   "6795050"   "7173612"   "7230597"). PN. OR ("7633472").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 12:39
S14	29	("4822142"   "4936656"   "5132677"   "5453857"   "5457552").PN. OR ("5701166").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 12:56
S15	70	("3862360"   "4114070"   "4149151"   "4335936"   "4359729"   "4393405"   "4429305"   "4432610"   "4455576"   "4471347"   "4492979"   "4496977"   "4591848"   "4649383"   "4651149"   "4694349"   "4710768").PN. OR ("4870396").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 13:07
S16	14	("4870396"   "5172249"   "5337068"   "5619225"   "5694145").PN. OR ("6181311").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 13:32

S17	67	("4432610"   "4532506"   "4781437"   "4870396"   "4927243"   "5058994"   "5111195"   "5151689"   "5165075"   "5172107"   "5194974"   "5345250"   "5365284"   "5404074"   "5404235"   "5602562"). PN. OR ("5844538").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 13:40
S18	67	("4432610"   "4532506"   "4781437"   "4870396"   "4927243"   "5058994"   "5111195"   "5151689"   "5165075"   "5172107"   "5194974"   "5345250"   "5365284"   "5404074"   "5404235"   "5602562"). PN. OR ("5844538").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 13:43
S19	1453	345/87-92,95,98,103.ccls. and ((adjacent or neighbor \$4) near3 (pixels))	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 13:48
S20	1151	345/87-92,95,98,103.ccls. and ((adjacent or neighbor \$4) near3 (pixels)) and alternat\$5	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 13:49
S21	120	345/87-92,95,98,103.ccls. and ((adjacent or neighbor \$4) near3 (pixels)) and alternat\$5 and (averag\$4 near2 (voltage\$2 or grayscale\$4 or luminanc\$4))	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 13:53
S22	19	345/87-92,95,98,103.ccls. and ((adjacent or neighbor \$4) near3 (pixels)) and alternat\$5 and (color adj wheel)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 14:19
S23	254	(liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and alternat \$5 and ((color or colour) adj wheel)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 14:20
S24	237	(liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and alternat \$5 and ((color or colour) adj wheel) and (reflect\$2 or mirror\$4)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 14:21

S25	90	((liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and alternat\$5 and ((color or colour) adj wheel) and (reflect\$2 or mirror\$4) and capacit\$6	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 14:21
S26	6	((PATRICK) near2 (MORVAN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/15 14:23
S27	2	((PHILIPPE) near2 (RIO)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/15 14:23
S28	1	((MAURICE) near2 (FRITSCH)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/15 14:23
S29	66	((DIDIER) near2 (DOYEN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/15 14:23
S30	71	S26 or S27 or S28 or S29	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 14:29
S31	0	("2007/0279348").URPN.	USPAT	OR	OFF	2010/03/15 14:33
S32	7381	((liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and capacit\$6	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:48
S33	19	((liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and capacit\$6 and (common adj value \$2)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:49
S34	0	((liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and capacit\$6 and (slave adj pixel\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:50
S35	0	((liquid adj crystal) and ((adjacent or neighbor\$4) near3 (pixels)) and capacit\$6 and (slave NEAR2 pixel \$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:50
S36	295	((liquid adj crystal) and (((adjacent or neighbor\$4) near3 (pixels)) with shar\$5) and capacit\$6	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:50
S37	397	((liquid adj crystal) and (((adjacent or neighbor\$4) near3 (pixel\$1)) with shar\$5) and capacit\$6	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:50

S38	265	(liquid adj crystal) and (((adjacent or neighbor\$4) near3 (pixel\$1)) with shar \$5) and capacit\$6 and @ay<="2005"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 15:51
S39	2	("4532535"   "6652776"). PN. OR ("7425940").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 16:39
S40	34	(slave adj pixel\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/15 16:52
S41	10385	(reduc\$4 near2 capacit\$6) and (liquid adj crystal)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 16:54
S42	6	"20030030609" or "20030090448" or "5581273".pn. or "5926158".pn. or "2002060674" or "2003169379"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 17:00
S43	6	"20030030609" or "20030090448" or "5581273".pn. or "5926158".pn. or "2002060674" or "2003169379"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 17:01
S44	6	"20030030609" or "20030090448" or "5581273".pn. or "5926158".pn. or "2002060674" or "20030169379"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 17:01
S45	7379	(reduc\$4 near2 capacit\$6) and (liquid adj crystal) and @ay<="2005"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 17:02
S46	4159	(reduc\$4 near2 capacit\$6) and (liquid adj crystal) and @ay<="2005" and common	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 22:34
S47	53	(reduc\$4 near2 capacit\$6) and (liquid adj crystal) and @ay<="2005" and common and dither\$5	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 22:35
S48	1	"20040189567"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/15 22:43
S49	3	("6933910", "6414665", "6753839").pn.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/22 14:42

S50	2259	345/92,103.ccls.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/22 14:59
S51	502	345/92,103.ccls. and (capacitor\$1).clm.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/22 14:59
S52	378	345/92,103.ccls. and (capacitor\$1).clm. and @ay<="2005"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/22 14:59
S53	346	345/92,103.ccls. and (capacitor\$1).clm. and @ay<="2005" and (eliminat\$4 or reduc\$4)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/22 15:00
S54	18	("5095304"   "5333004"   "5424752").PN. OR ("5923311").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 16:23
S55	16	("20010052597"   "20020018056"   "20020044109"   "20020047822"   "20020075211"   "20020113872"   "20020140364"   "20040113872"   "5448258"   "5923311"   "5977940"   "6075505"   "6738031"   "6795050"   "7173612"   "7230597"). PN. OR ("7633472").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 16:24
S56	12	("4728172"   "4753518"   "4775861"   "5159476"). PN. OR ("5333004").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 16:35
S57	14	("5579140"   "6023308"   "6028577"   "6323871"   "6476787"   "6486930"   "6501453"   "6512504"   "6583777"   "6727875"). PN. OR ("6933910").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 17:02
S58	3	("2003/0169223").URPN.	USPAT	OR	OFF	2010/03/22 17:18
S59	8	("4873516"   "5253091"   "5313222"   "6011531"   "6011534"   "6593905"   "6646637"   "6933910"). PN. OR ("7102630").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 18:08
S60	16	("4736234"   "4931787"   "5095304"   "5319480"   "5349174").PN. OR ("6011531").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 18:10

S61	12	("4728172"   "4753518"   "4775861"   "5159476"). PN. OR ("5333004").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/22 18:26
S62	1	"6259424".pn.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 12:10
S63	31482	(group\$3 near5 pixel\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 12:21
S64	106	(group\$3 near5 pixel\$1) and (simultaneous with common\$4)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 12:22
S65	472	(time near2 sequential\$4 near2 driv\$4)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 12:34
S66	70	(time near2 sequential\$4 near2 driv\$4) and 345/87- 110.ccls.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 12:52
S67	507	(driv\$4 near3 pixel\$1 near2 group\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 13:10
S68	156	(driv\$4 near3 pixel\$1 near2 group\$1) and 345/87-110.ccls.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 13:13
S69	129	(driv\$4 near3 pixel\$1 near2 group\$1) and 345/87-110.ccls. and @ay<="2006"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 13:13
S70	22712	(pixel\$1 near2 group\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 13:39
S71	6430	(pixel\$1 near2 group\$1) and (display\$4) and (liquid adj crystal\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 13:46
S72	3658	(pixel\$1 near2 group\$1) and (display\$4).ab. and (liquid adj crystal\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:23
S73	200	(drive with parallel) and (pixel\$1 near2 group\$1) and (display\$4).ab. and (liquid adj crystal\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:26
S74	159	(drive with parallel) and (pixel\$1 near2 group\$1) and (display\$4).ab. and (liquid adj crystal\$1) and @ay<="2006"	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:26
S75	67428	((reduc\$4 or eliminat\$4) near2 (capacitor\$1 or transistor\$1))	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:46

S76	271	((reduc\$4 or eliminat\$4) near5 (capacitor\$1 or transistor\$1)) and display. ab. and @ay<="2006" and (pixel\$1 near2 group\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:46
S77	102	((reduc\$4 or eliminat\$4) near5 (capacitor\$1 or transistor\$1)) and display. ab. and @ay<="2006" and (pixel\$1 near2 group\$1) and (liquid adj crystal).ab.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:47
S78	8	("20070252780"   "6175351"   "6181311"   "6359608"   "6611311"   "6924785"   "6972747"   "6977638").PN.	US-PGPUB; USPAT; JPO	OR	OFF	2010/03/25 14:49
S79	22	((HUGUES) near2 (LEBRUN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/25 15:43
S80	44	(US-20020018056-\$ or US-20050200788-\$ or US-20050190133-\$ or US-20020154253-\$ or US-20060284811-\$ or US-20060208985-\$ or US-20030201963-\$ or US-20030169223-\$ or US-20020070905-\$ or US-20070085797-\$ or US-20070252780-\$ or US-20050253797-\$ or US-20090096725-\$).did. or (US-7429981-\$ or US-7009663-\$ or US-6850218-\$ or US-6476785-\$ or US-5903250-\$ or US-5701166-\$ or US-5448258-\$ or US-4870396-\$ or US-7633472-\$ or US-5903249-\$ or US-5170158-\$ or US-5061920-\$ or US-6181311-\$ or US-5844538-\$ or US-5581273-\$ or US-7425940-\$ or US-6933910-\$ or US-7605830-\$ or US-7102630-\$ or US-7006066-\$ or US-6965365-\$ or US-6911964-\$ or US-6421037-\$ or US-5923311-\$ or US-5333004-\$ or US-4775861-\$).did. or (US-5745090-\$ or US-6011531-\$ or US-7084842-\$ or US-6259424-\$ or US-7173600-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/03/25 16:29



S81	0	S80 and (wheel\$1)	US-PGPUB; USPAT	OR	OFF	2010/03/25 16:29
S82	6	S80 and (mirror\$1)	US-PGPUB; USPAT	OR	OFF	2010/03/25 16:30
S83	10	S80 and (project\$4)	US-PGPUB; USPAT	OR	OFF	2010/03/25 16:32
S84	0	"589930".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/25 17:11
S85	5	"589930".ap.	US-PGPUB; USPAT	OR	OFF	2010/03/25 17:11
S86	2	"20040041768"	US-PGPUB; USPAT	OR	OFF	2010/03/25 17:13
S87	2297	(liquid adj crystal) and ((color or colour) adj wheel) and reflect\$4	US-PGPUB; USPAT	OR	OFF	2010/03/25 18:12
S88	372	(liquid adj crystal) and ((color or colour) adj wheel) and reflect\$4 and "345".clas.	US-PGPUB; USPAT	OR	OFF	2010/03/25 18:12
S89	240	(liquid adj crystal) and ((color or colour) adj wheel) and reflect\$4 and "345".clas. and display.ab.	US-PGPUB; USPAT	OR	OFF	2010/03/25 18:12
S90	196	(liquid adj crystal) and ((color or colour) adj wheel) and reflect\$4 and "345".clas. and display.ab. and (light adj source\$1)	US-PGPUB; USPAT	OR	OFF	2010/03/25 18:13
S91	46061	pixel\$1 and ((common or shared) with pixel\$1)	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S92	1772	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1))	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S93	1424	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S94	1262	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S95	1078	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4 and reduc\$4	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15

S96	817	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4 and reduc\$4 and transist\$4 and capacit\$5	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S97	655	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4 and reduc\$4 and transist\$4 and capacit\$5 and data	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:15
S98	378	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4 and reduc\$4 and transist\$4 and capacit\$5 and data and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:16
S99	306	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1)) and voltag\$4 and display\$4 and reduc\$4 and transist\$4 and capacit\$5 and data and @ay<="2004"	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:17
S100	146	pixel\$1 and ((common or shared) with (ADJACENT ADJ pixel\$1) with (data or value or voltage)) and voltag\$4 and display\$4 and reduc\$4 and transist\$4 and capacit\$5 and data and @ay<="2004"	US-PGPUB; USPAT	OR	OFF	2010/10/06 18:18
S101	8	((PATRICK) near2 (MORVAN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/07 09:55
S102	3	((PHILIPPE) near2 (RIO)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/07 09:55
S103	2	((MAURICE) near2 (FRITSCH)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/07 09:55
S104	72	((DIDI ER) near2 (DOYEN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/07 09:55
S105	80	S101 or S102 or S103 or S104	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 09:55
S106	5	"589930".ap.	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:22

S107	10648	345/87-92,95.ccls.	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:23
S108	3560	345/87-92,95.ccls. and ((common\$3 or shar\$3) with pixel\$1)	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:23
S109	3574	345/87-92,95.ccls. and ((common\$3 or shar\$3) with (pixel\$1 or subpixel\$1 or sub-pixel\$1))	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:23
S110	24	345/87-92,95.ccls. and ((common\$3 or shar\$3) with (pixel\$1 or subpixel\$1 or sub-pixel\$1) with (adjacent or neighbor\$4)) and averag\$5	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:24
S111	24	345/87-92,95.ccls. and ((common\$3 or shar\$3) with (pixel\$1 or subpixel\$1 or sub-pixel\$1) with (adjacent or neighbor\$4)) and (averag\$5 or dither\$5)	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 10:24
S112	6	("4345249"   "5748276"   "5859677"   "5870075"   "6525798").PN. OR ("7180490").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 10:27
S113	8	("20020039164"   "5844641"   "5847781"   "6525788"   "6650379"   "6859194"   "6936845"   "7180490").PN. OR ("7427972").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 10:28
S114	17	("4986637"   "5107353"   "5604358"   "5648793"   "5654733"   "5724057"   "5748268"   "5790092"   "5847687"   "5892494"   "5923310"   "6172662"   "6243062"   "6243064"   "6295043"   "6342876"). PN. OR ("6982692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 10:59
S115	36	("4345249"   "4393380"   "4936656"   "5012228"   "5093655"   "5430460"   "5436635"   "5473451"   "5598285"   "5648793"   "5737051"   "6005542"   "6011532").PN. OR ("6243064").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:07

S116	19	("20010050664"   "20030002002"   "20030169379"   "20040104880"   "20050046763"   "20070296658"   "4930874"   "5333004"   "5701166"   "5712652"   "5959599"   "6243064"   "6456269"   "6525710"   "6566643"   "7027023"   "7375712"   "7425940"   "7486362").PN. OR ("7760179").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:08
S117	30	("4822142"   "4936656"   "5132677"   "5453857"   "5457552").PN. OR ("5701166").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:29
S118	15	("4870396"   "5448258"   "5504601"   "5642133"   "5666130"   "5686932"   "5701166"   "5767926"   "5903250"   "6091393"   "6295054").PN. OR ("6476785").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:33
S119	15	("4825203"   "4908609"   "5412397"   "5657040"   "Re33882").PN. OR ("5903250").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:36
S120	72	("3862360"   "4114070"   "4149151"   "4335936"   "4359729"   "4393405"   "4429305"   "4432610"   "4455576"   "4471347"   "4492979"   "4496977"   "4591848"   "4649383"   "4651149"   "4694349"   "4710768").PN. OR ("4870396").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:39
S121	72	("4432610"   "4532506"   "4781437"   "4870396"   "4927243"   "5058994"   "5111195"   "5151689"   "5165075"   "5172107"   "5194974"   "5345250"   "5365284"   "5404074"   "5404235"   "5602562"). PN. OR ("5844538").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:46

S122	87	("20010005193"   "20010033323"   "20020000969"   "20020003521"   "20020021274"   "20020021295"   "20020024054"   "20020024485"   "20020036604"   "20020039087"   "20020041266"   "20020057244"   "20020089483"   "20020113763"   "20020118029"   "20020130828"   "20030067632"   "20030071772"   "20030098875"   "20030103025"   "20040164322"   "20040183766"   "20040222955"   "4432610"   "4752118"   "4773738"   "4996523"   "5091722"   "5125045"   "5200846"   "5225823"   "5247190"   "5339090"   "5349366"   "5424752"   "5471225"   "5479283"   "5600169"   "5608549"   "5642129"   "5673422"   "5699078"   "5712652"   "5771031"   "5793344"   "5798746"   "5844538"   "5854628"   "5907313"   "5945866"   "5945972"   "5959598"   "5990629"   "6115019"   "6165824"   "6175351"   "6246386"   "6259846"   "6274887"   "6333737"   "6344672"   "6344843"   "6356028"   "6366026"   "6384818"   "6392618"   "6441829"   "6456267"   "6535192"   "6545654"   "6545708"   "6549196"   "6556176"   "6563480"   "6564237"   "6630916"   "6636194"   "6670938"   "6683596"   "6731264"   "6738054"   "6747623"   "6750836"   "6765562"   "6774876"   "6992652"   "7417613").	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 11:48
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		PN. OR ("7724217").URPN.				
S123	15	("5225823"   "5426526"   "5566010"   "5844538"   "5959598"   "5977942").PN. OR ("6421037").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:03
S124	3	("5566010"   "6329971"   "6421037").PN. OR ("7006066").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:04
S125	14	("20030112507"   "20030234909"   "20040227706"   "4717949"   "4829365"   "5036385"   "5675351"   "5760827"   "6016159"   "6243064"   "6252707"   "6437839"   "6456266"   "6756954").PN. OR ("7345665").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:11
S126	105	("4317115"   "4716403"   "4803480"   "4890097").PN. OR ("5012228").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:13
S127	14	("4745462"   "5012228"   "5191450"   "5402141"   "5945970").PN. OR ("6556181").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:27
S128	56	(hiroshi near2 yoneda).inv.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:48
S129	20	("3621353"   "4471347"   "4532506"   "4621260"   "4870396"   "5252956"   "5311072"   "5349366"   "5367314"   "5384496").PN. OR ("5926158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:52
S130	1	"5581273".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:54
S131	20	("4532506"   "4621260"   "4870396"   "5349366").PN. OR ("5581273").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 12:54
S132	1	"586155"	EPO	OR	OFF	2010/10/07 13:33
S133	2	"586155" or "391654"	EPO	OR	OFF	2010/10/07 13:33
S134	1	"4471347".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 13:35
S135	53	(yusuke near2 tsutsui).in.	US-PGPUB; USPAT	OR	OFF	2010/10/07 13:43

S136	8	(yusuke near2 tsutsui).in. and (ryoichi near2 yokoyama).in.	US-PGPUB; USPAT	OR	OFF	2010/10/07 13:43
S137	7	("5548301"   "5712652"   "5745088"   "5945972"   "6288712"   "6456267"   "6518945").PN. OR ("6963324").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 13:44
S138	9	("20020036628"   "5519521"   "5712652"   "5790090"   "5945972"   "5952991"   "5977940"   "6023308"   "6072454"). PN. OR ("6671023").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 13:45
S139	0	"2003030609" or "2003090448"	US-PGPUB; USPAT	OR	OFF	2010/10/07 14:19
S140	2	"20030030609" or "20030090448"	US-PGPUB; USPAT	OR	OFF	2010/10/07 14:19
S141	1	"7006066".pn.	US-PGPUB; USPAT; JPO	OR	OFF	2010/10/07 14:58

**10/7/2010 3:48:37 PM**

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